

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)

BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

# Curv-A-Tech Corporation 930 W. 23rd Street

Hialeah, FL 33010

#### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "300 STD" Aluminum Single Hung Window - N.I.

**APPROVAL DOCUMENT:** Drawing No. W98-25, titled "S-300 (STD) Alum. Single Hung Wdw. (N.I.)", sheets 1 through 5 of 5, dated 03/25/98, with revision G dated 07/13/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

#### MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 11-0816.07 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY
APPROVED

1/1/16/15

NOA No. 15-0409.12 Expiration Date: November 12, 2016 Approval Date: July 23, 2015

Page 1

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under previous NOA's No. 11-0816.07 and 98-0513.06)
- 2. Drawing No. W98-25, titled "S-300 (STD) Alum. Single Hung Wdw. (N.I.)", sheets 1 through 5 of 5, dated 03/25/98, with revision G dated 07/13/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

#### B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
  - 3) Water Resistance Test, per PA 202-94
  - 4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94 along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-6515, dated March 18, 2011, signed and sealed by Marlin D. Brinson, P.E. (Submitted under previous NOA No. 11-0816.07)
- 2. Test reports on: 1) Air Infiltration Test, per PA 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94 along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-1957 dated February 25, 1998, signed and sealed by Gilbert Diamond, P.E. (Submitted under previous NOA #06-1204.02)
- 3. Test reports on: 1) Air Infiltration Test, per PA 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
  - 3) Water Resistance Test, per PA 202-94
  - 4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94 along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-1958 dated March13, 1998, signed and sealed by Gilbert Diamond, P.E. (Submitted under previous NOA #06-1204.02)
- 4. Test reports on: 1) Air Infiltration Test, per PA 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94 along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-1962 dated March16, 1998, signed and sealed by Gilbert Diamond, P.E. (Submitted under previous NOA #06-1204.02)

Manuel Perez, P.E. Product Control Examiner NOA No. 13-0409.12

Expiration Date: November 12, 2016 Approval Date: July 23, 2015

## Curv-A-Tech Corporation

# NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

# B. TESTS (CONTINUED)

- 5. Test reports on: 1) Air Infiltration Test, per PA 202-94
  - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
  - 3) Water Resistance Test, per PA 202-94
  - 4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94 along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-1942** dated March 3, 1998, signed and sealed by Gilbert Diamond, P.E.

(Submitted under NOA #06-1204.02)

## C. CALCULATIONS

- 1. Anchor verification calculations, structural analysis and complying with FBC 5<sup>th</sup> Edition (2014), dated 02/24/15, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-09

# D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

# E. MATERIAL CERTIFICATIONS

1. None.

#### F. STATEMENTS

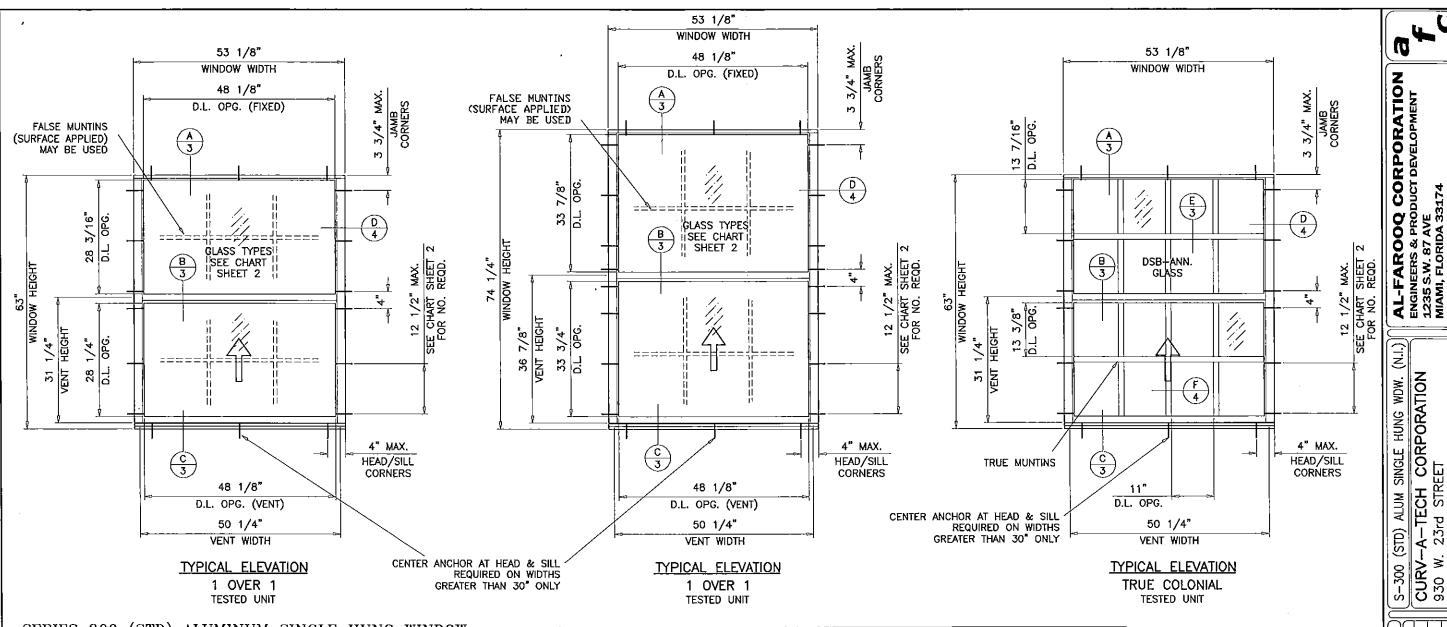
1. Statement letter of conformance, complying with FBC 5th Edition (2014) and of no financial interest, dated February 24, 2015, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

#### G. OTHERS

1. Notice of Acceptance No. 11-0816.07, issued to Curv-A-Tech Corporation for their Series "300 STD" Aluminum Single Hung Window - NI. approved on 10/20/11 and expiring on 11/12/16.

Manuel Perez, P.E. Product Control Examiner NOA No. 15-0409.12

Expiration Date: November 12, 2016 Approval Date: July 23, 2015



# SERIES 300 (STD) ALUMINUM SINGLE HUNG WINDOW

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER MIAMI-DADE COUNTY APPR'D WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ)

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

DAY LIGHT OPG. DIMI	ENSIONS 1/1 WDW.
WINDOW WIDTHS	D. L. OPENINGS
19-1/8"	14-1/8"
26-1/2"	21-1/2"
37"	32"
53-1/8	48-1/8

DAY LIGHT OPG. DIMI	ENSIONS 1/1 WDW.					
WINDOW HEIGHTS	D. L. OPENINGS					
26"	9-3/4"					
38-3/8"	15-15/16"					
50-5/8"	22-1/16"					
56"	24-3/4"					
63"	28-1/4"					
74-1/4"	33-7/8"					

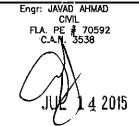
DAY LIGHT OPG. DIMENSIONS TRUE COLONIAL WDW. D.L. OPENING MAX. WIDTH = 11" D.L. OPENING MAX. HEIGHT = 13-7/16"

WINDOWS NOT RATED FOR IMPACT.

INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.

INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

> THIS NOA IS NOT VALID WITHOUT CORPORATE SEAL OF CURY-A-TECH CORPORATION AND A LABEL AFFIXED.



revisions:
no date
0 08.17.05
E 06.28.11
F 02.26.15
C 07.13.15 1/2"=1-0" 03-25-HAM scale:

description UPDATED FOR 20 UPDATED TO 200 UPDATED TO 201 NO CHANGE THIS

CURV-A-TECH CORPORATION 930 W. 23rd STREET HIALEAH, FL 33010

FAX (305) 262-6978 COMP—ANL\W98

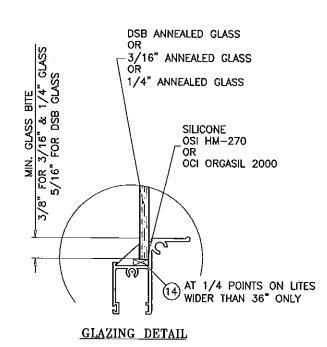
drawing W98-25

sheet 1 of 5

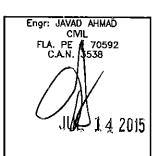
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No Expiration Date

, , , , , , , , , , , , , , , , , , ,			_	DESIGN 1	LOAD CAPACI	ry – psf		<u></u>		
			1 OVER 1					TRUE COLONIAL		
WINI	DOW DIMS.	NUMBER OF ANCHORS/JAMB	DSB-ANNEALED GLASS 3/16"-ANNEALED GLASS 1/4"-ANNEALED GLASS					DSB-ANNEALED GLASS		
WIDTH	HEIGHT		EXT. (+)	1NT. (-)	EXT. (+)	1NT. (-)	EXT. (+)	1NT. (-)	EXT. (+)	1NT. (-)
19-1/8	3"	4	55.3	78.0	55.3	90.0	55.3	90.0	53.3	78.0
26-1/2	2" 26"	4	55.3	78.0	55.3 90.0 55.3 90.0 53.3	78.0				
37"	20	4 55.3 78.0 55.3 90.0 55.3 90.0	90.0	53.3	78.0					
53-1/8	8	4	55.3	77.7	55.3	90.0	55.3	90.0	53.3	78.0
19-1/8	3"	6	55.3	78.0	55.3	90.0	55.3	90.0	53.3	78.0
26-1/2	2" 38-3/8"	6	55.3	78.0	55.3	90.0	55.3	90.0	53.3	78.0
37"	30 370	6	55.3	77.7	55.3	90.0	55.3	90.0	53.3	78.0
53-1/8		6	55.2	55.2	55.3	76.7	55.3	76.7	53.3	64.8
19-1/8	.1	6	55.3	78.0	78.0         55.3         90.0         55.3         90.0         53.3         7	78.0				
26-1/2	2"   50-5/8"	6	55.3	78.0	55.3	90.0	55.3	90.0	53.3	78.0
37"	30 370	6	55.3	68.2	55.3	90.0	55.3	90.0	53.3	78.0
53-1/8		6	40.1	40.1	55.3	62.6	55.3	62.6	52.9	
19-1/8		6 55.3 78.0	55.3	90.0	55.3	90.0	53.3	78.0		
26-1/2	2"   58 <b>"</b>	6	55.3	78.0	55.3	90.0	55.3	90.0	53.3	78.0
37"		6	55.3	63.2	55.3	90.0	55.3	90.0	53.3	78.0
53-1/8		6	39.2	39.2	55.3	57.3	55.3	57.3	48.3	48.3
19-1/8		6	55.3	78.0	55.3	90.0	55.3	90.0	53.3	78.0
26-1/2	2"   63"	6     55.3     78.0     55.3     90.0     55.3     90.0     53.3       6     55.3     59.1     55.3     90.0     55.3     90.0     53.3	53.3	78.0						
37"			53.3	78.0						
53-1/8		6	38.8	38.8	54.5	54.5	54.5	54.5	46.0	46.0
19-1/8		8	55.3	78.0	55.3	90.0	55.3	90.0	53.3	78.0
26-1/2	2" 74-1/4"	8	55.3	64.3	55.3	90.0	55.3	90.0	53.3	78.0
37"		8	51.3	51.3	55.3	85.1	55.3	90.0	53.3	78.0
53-1/8	8	8	-	_	50.0	50.0	50.0	50.0	_	_

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

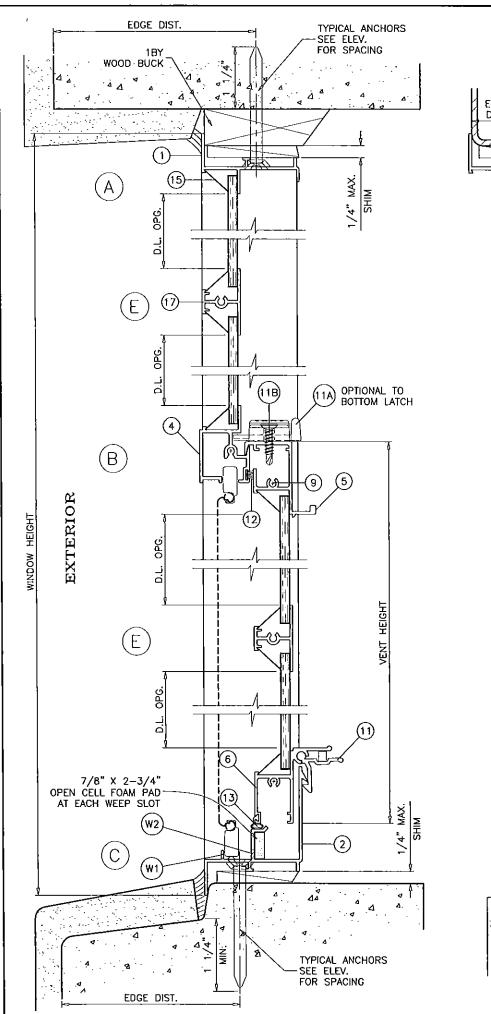


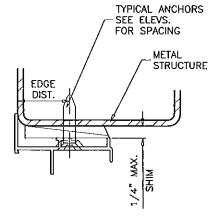
PRODUCT REVISED
as complying with the Florida
Building Code 15 - 04 - 09 - 12
Acceptance No
Expiration Date 11 / 12/2018
By Manual Suc
Miami Dade Product Control



	54	•	U		V98-25CT
NOITAGOGGO	JCT DEVELOPMENT	7	***	FAX. (305) 262-6978	COMP-ANL\W98-25CT
AI -FAROO C	ENGINEERS & PRODUCT DEVELOPMENT	1235 S.W. 87 AVE	MICHINI, FLORIDA 331/4	1EL (305) 264-8100	
S-300 (STD) ALLIM SINGLE HING WIN (N.) OF LEAROOO CORPORATION	CURV-A-TECH CORPORATION	930 W 23rd STREET		חוארבאח, דר טטטוט	TEL. (305) 888-9631 FAX. (305) 888-9969
(revisions:	no date by description D 08.17.05 CHART REV.	E 06.28.11 UPDATED TO 2007 FBC	F 02,26.15 UPDATED TO 2014 FBC	G 07.13.15 REV. PER RER COMMENTS	
date: 03-25-98	scale: 1/2"=1-0"		dr. by: HAMID		chk. by:

drawing no. W98-25





SEALANTS:

SEALANT. OR EQUIVALENT

EACH END

WEEP HOLES:

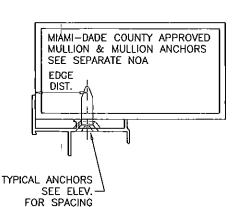
FRAME CORNERS, FRAME SILL INSTALLATION SCREWS,

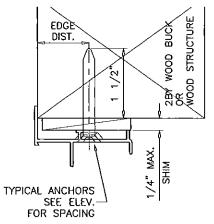
W1 = 1-1/2" LONG WEEP NOTCH AT 2-3/4" FROM

W2 = 1-3/4" X 3/16" WEEP HOLE AT 3-1/2" FROM

VENT CORNER SEAMS AND FIXED MEETING RAIL AT

END SEALED WITH 'SCHNEE MOREHEAD SM 5504'





WOOD BUCKS AND METAL STRUCTURE NOT BY CURY-A-TECH MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=125 KSI, Fy=100 KSI)

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY BUCKS INTO CONC. OR MASONRY

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL) 1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

DIRECTLY INTO CONC. OR MASONRY 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL)

1-1/4" MIN. EMBED INTO CONC. OR MASONRY (JAMBS)

# #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO METAL STRUCTURES

STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.) ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

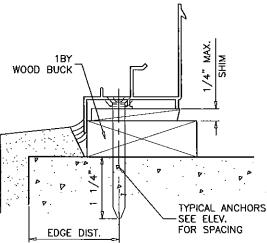
## #12 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8") (NO SHIM SPACE)

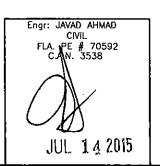
#### TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN. INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN. CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



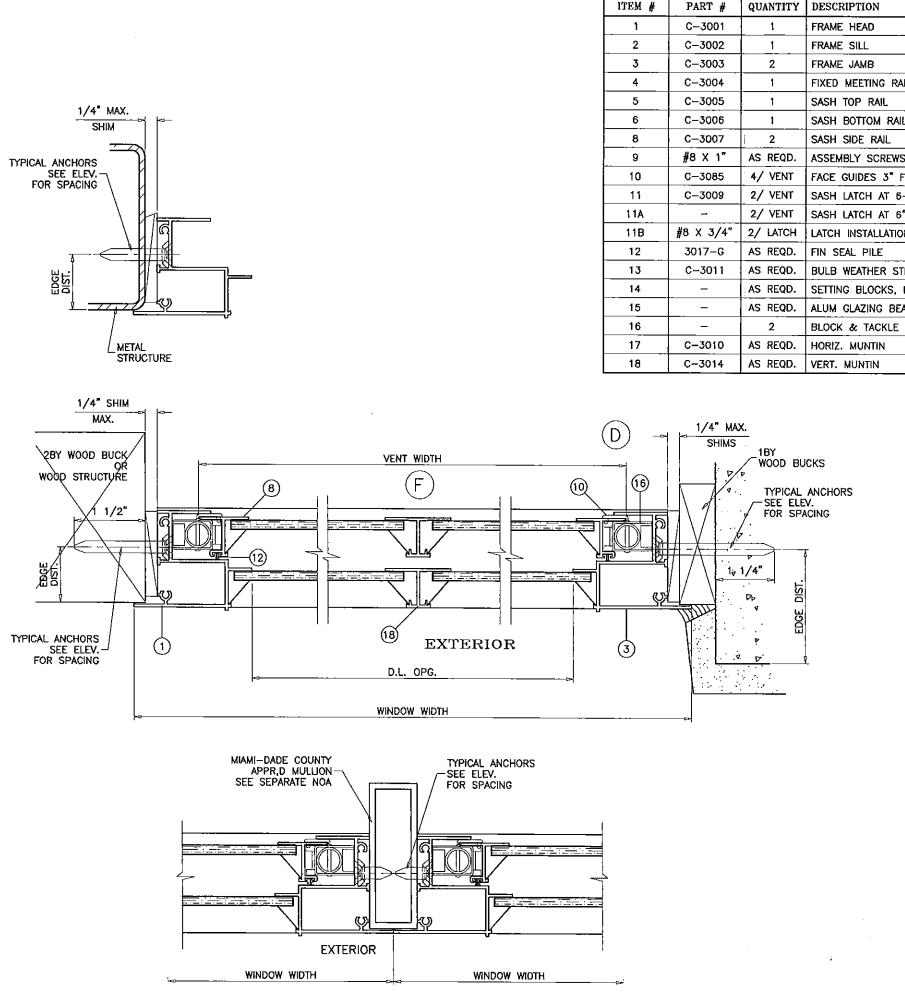
PRODUCT REVISED

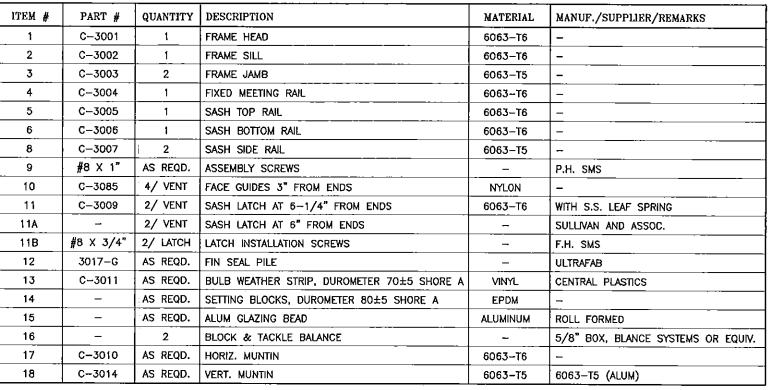


S-300 (STD) ALUM SINGLE HUNG WDW. (N CURV-A-TECH CORPORATION 930 W. 23rd STREET HIALEAH, FL 33010

HAMID ج ا scale: ₽.

drawing W98 - 25sheet 3 of 5





PRODUCT REVISED
as complying with the Florida
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Acceptance No
Expiration Date
By Manuel Shall
Miami Dade Product Control

Engr: JAVAD AHMAD CMIL FLA. PE 70592 C.A.N. 1538

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978

Ë

 revisions:
 S-300 (STD) ALUM SINGLE HUNG WDW.

 no date
 by description

 b 08.17.05
 NO CHANGE THIS SHEET

 E 06.28.11
 UPDATED TO 2007 FBC

 F 02.26.15
 UPDATED TO 2014 FBC

 G 07.13.15
 NO CHANGE THIS SHEET

(305)

W98-25

